

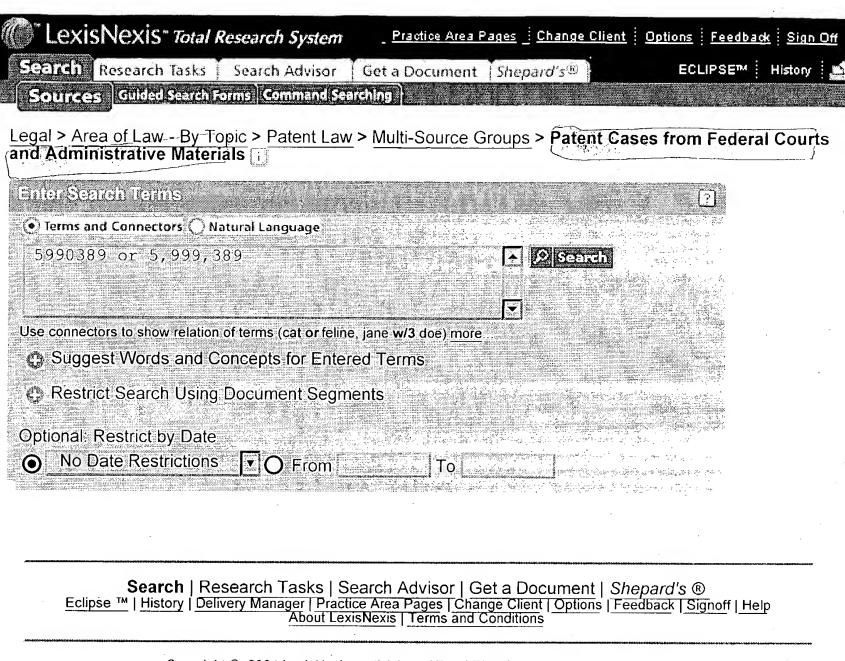
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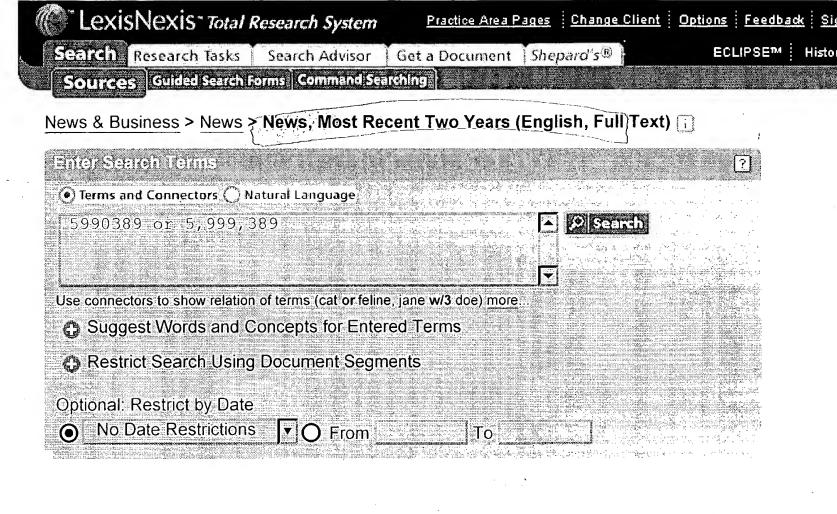
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OR

Cases by patent number (No Charge!):

5,990,389

Client Matter:

Client Notes:

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Click <u>here</u> for patent format rules.

Litigation involving patent <u>5,990,389</u>

Click on the docket number to view the docket. Click on the above patent number to view the patent.

o Docket △

Case Heading a

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· (Paro Robyd) «

There are no cases involving this patent number.

Current session 05/02/2004

(C) QUESTEL 1994

QUESTEL ORBIT (TM) 1998

05/02/04 21*12*27

Last connection: 11/12/03 19*11*45

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** SS 1: Results 1

Search statement 2

Query/Command: PRT SS 1 MAX 1 LEGALALL

1/1 PLUSPAT - ©QUESTEL-ORBIT - image

Patent Number:

(US5990389 A 19991123 [US5990389]

Title:

(A) High lysine derivatives of alpha -hordothionin

Patent Assignee :

(A) PIONEER HI BRED INT (US)

Patent Assignee:

Pioneer Hi-Bred International, Inc., Des Moines IA [US]

Inventor(s):

(A) BEACH LARRY (US); RAO A GURURAJ (US)

Application Nbr:

US83876397 19970410 [1997US-0838763]

Filing Details:

Cont. of US575654 19951220 [1995US-0575654] (Abandoned)

Cont. of US369975 19950106 [1995US-0369975] (Abandoned)

Cont. of US003885 19930113 [1993US-0003885] (Abandoned)

Priority Details:

US83876397 19970410 [1997US-0838763]

US57565495 19951220 [1995US-0575654]

US36997595 19950106 [1995US-0369975]

US388593 19930113 [1993US-0003885]

Intl Patent Class:

(A) A01G-013/00 A01H-005/00 C12N-015/29 C12N-015/82

EPO ECLA Class:

A01N-065/00

C07K-014/415

C12N-015/82C4B10

C12N-015/82C4B10B

C12N-015/82C8B6B

US Patent Class:

ORIGINAL (O): 800301000; CROSS-REFERENCE (X): 435320100 435410000

435419000 435468000 530300000 530372000 536023600 800279000

Document Type:

Corresponding document

Citations:

US5703049; EP0318341; EP0502718; WO8904371; WO9214822; WO9303160;

WO9319190; WO9410315; WO9416078; WO9420628

Altenbach S.B. et al., "Manipulation of Methionine-Rich Protein Genes in Plant Seeds", Trends in Biotechnology, vol. 8, No. 6, 1990 pp. 156-160.

Altenbach S.B. et al., "Accumulation of a Brazil Nut Albumin in Seed of Transgenic Canola Results in Enhanced Levels of Seed Protein Methionine", Plant Molecular Biology, 18: 235-245, 1992 pp. 235-245.

Anderson J. et al., "A Transgenic Corn Line with Altered Levels of a High-Methionine Storage Protein", J. Cell Biochem Suppl., vol. 16F, p. 225, 1992, abstract.

Beach, L.R. et al., "Enchancing the nutritional value of Seed Crops", Current Top. Plant Physiol.: Biosynthesis & Molecular Regulation of Amino Acids in Plants, vol. 7, 1992 pp. 229-238.

Florack, D.E.A et al. "Expression of biologically active hordothionin in

tobacco, Effects of pre- and pro- sequences at the amino and carboxyl termini of the hordothionin precursor on mature protein expression and sorting", Plant Molecular Biology vol. 24 1994, pp. 83-96.

Garcia-Olmeda, F. et al. "Trypsin/alpha-amylase inhibitors and thionins from cereals: possible role in crop protection", Journal of Exp. Botany Supplement, vol. 42, No. 238, May 1991 p. 4 and abstract p. 1. 5.

Karachi H. et al., "Seed Specific Expression of a Bacterial Desensitized Aspartate Kinase Increases the Production of Seed Threonine and Methionine in Transgenic Tobacco", The Plant Journal, vol. 3, No. 5, pp. 721-727, 1993.

Karachi H. et al., "Lysine synthesis and catabolism are coordinately regulated during tobacco seed development" PNAS 91, 1994 pp. 2577-2581, p. 2581 left column, last line right column.

Maddox, J. et al. "Cloning of a barley gene alpha-hordothionin, and expression in transgenic tobacco" J. Cell Biochem. Suppl. vol. 16F 1992 p. 217 and abstract p. 212.

Rao A.G. et al., "Validation of the Structure-function properties of alpha-hordothionin and derivatives through protein modeling"-see abstract; Protein Engineering: Supplement, Advances in Gene Technology Protein Engineering and Beyond. Miami Winter symposium, Jan. 17-22, 1993 vol. 6, 1993.

Rao A.G. et al., "Structure-Function Validation of High Lysine Analogs of .alpha.-Hordothionin Designed by Protein Modeling", Protein Engineering, vol. 7, No. 12, pp. 1485-1493, Dec. 1994.

Florack et al. Synthetic hordothionin genes as tools for bacterial disease resostance breeding. In: Agricultural Biotechnology in Focus in the Netherlands, Dekkers et al, eds. Pudoc, The Netherlands. pp. 39-48, 1990.

Krebbers et al. Expression of modified Seed storage proteins in transgenic plants. In:Transgenic Plants. Hiatt, ed. Marcel Dekker, Inc., New York. pp. 37-60, 1992.

Ponz et al. Cloning and nucleotide sequence of a cDNA encoding the precursor of the barley toxin -hordothionin. Eur. J. Biochem. vol. 156, pp. 131-135, 1986.

Publication Stage:

(A) United States patent

Abstract:

Derivatives of alpha -hordothionin made by position-specific substitution with lysine residues provide lysine enrichment while retaining the antifungal activity of the parent compound.

1/1 LGST-©EPO

Patent Number:

US5990389 A 19991123 [US5990389]

Application Number:

US83876397 19970410 [1997US-0838763]

Action Taken:

20020618 US/RF-A

REISSUE APPLICATION FILED

EFFECTIVE DATE: 20011105

Update Code:

2003-22

1 / 1 CRXX - ©CLAIMS/RRX

Patent Number:

5,990,389 A 19991123 [US5990389]

Patent Assignee:

Pioneer Hi-Bred International Inc

Actions:

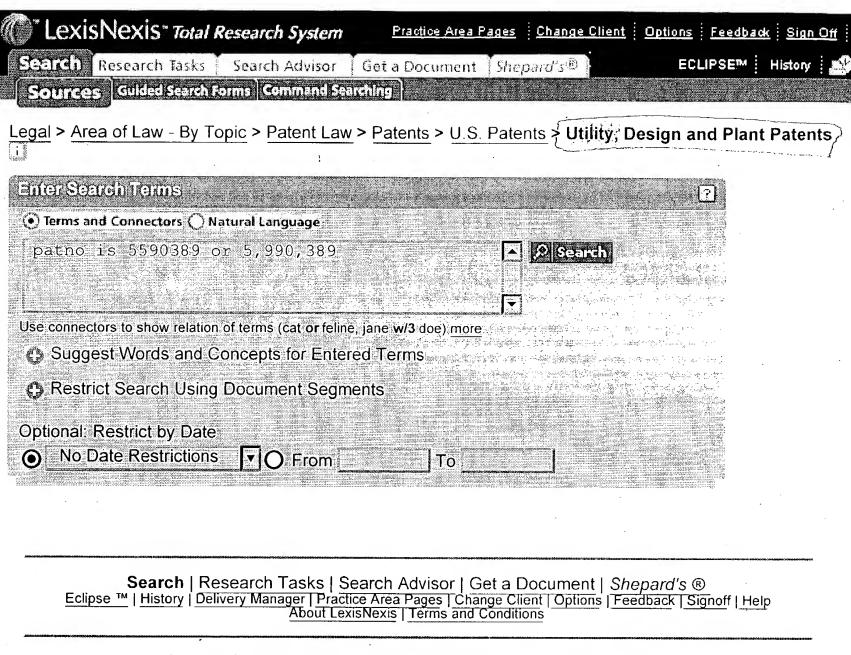
20011105 REISSUE REQUESTED

ISSUE DATE OF O.G.: 20020618

REISSUE REQUEST NUMBER: 10/010709

EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS:

Reissue Patent Number:



| Source: Legal > Area of Law - By Topic > Patent Law > Patents > U.S. Patents > Utility, Design and Plant Patents | | | | | |
|--|--|----------------------|--|--|--|
| Terms: patno is 5590 | 389 or patno is 5,990,389 (<u>Edit Search</u>) | | | | |
| F Select for FOCUS | or Delivery | | | | |
| | 838763 (08) 5990389 November | r 23, 1999 | | | |
| UNITE | D STATES PATENT AND TRADEMARK O | FFICE GRANTED PATENT | | | |

5990389

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Link to Claims Section

November 23, 1999

High lysine derivatives of [agr]-hordothionin

REISSUE: November 5, 2001 - Reissue Application filed Ex. Gp.: ; Re. S.N. 10/010,709 (O.G. June 18, 2002)

APPL-NO: 838763 (08)

FILED-DATE: April 10, 1997

GRANTED-DATE: November 23, 1999

LEGAL-REP: Pioneer Hi-Bred International, Inc.

CORE TERMS: plant, sequence, protein, cell, compound, lysine, gene, residue, cassette, vector ...

ENGLISH-ABST:

Derivatives of [agr]-hordothionin made by position-specific substitution with lysine residues provide lysine enrichment while retaining the antifungal activity of the parent compound.

Source: Legal > Area of Law - By Topic > Patent Law > Patents > U.S. Patents > Utility, Design and Plant Patents

Terms: patno is 5590389 or patno is 5,990,389 (Edit Search)

View: Custom

Segments: Disclaimer-date, English-abst, English-title, Legal-rep, Legal-status, Lit-reex, Patno, Reexam-cert, Reexam-litigate, Reissue, Title

Date/Time: Thursday, February 5, 2004 - 3:26 PM EST

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File 345:Inpadoc/Fam.& Legal Stat 1968-2003/UD=200405
       (c) 2004 EPO
*File 345: October 12, 2003 - changes to legal status now online.
See HELP NEWS 345 for details.
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? e pn=us 5990389
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DIALOG(R)File 345:Inpadoc/Fam. Legal Stat
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11859270
Basic Patent (No, Kind, Date): CA 2161881 AA 19940721 <No. of Patents: 012>
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Priority Data (No, Kind, Date):
    US 3885 A 19930113
    WO 94US382 W 19940112
    US 838763 A 19970410
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US 369975 B1 19950106

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US 3885 B1 19930113
PATENT FAMILY:
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 Patent (No, Kind, Date): AT 205533 E
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   Patent Assignee: PIONEER HI BRED INT (US)
   Author (Inventor): RAO A GURURAJ (US); BEACH LARRY R (US)
    Priority (No, Kind, Date): US 3885 A
                                               19930113; WO 94US382 W
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   Patent Assignee: PIONEER HI BRED INT
   Author (Inventor): RAO A GURURAJ; BEACH LARRY R
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                                          19930113; WO 94US382 W
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   Patent Assignee: PIONEER HI BRED INT
                                         (US)
   Author (Inventor): RAO A GURURAJ (US); BEACH LARRY R (US)
   Priority (No, Kind, Date): US 3885 A
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   Author (Inventor): RAO A GURURAJ (US); BEACH LARRY R (US)
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GERMANY (DE)
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    Patent Assignee: PIONEER HI BRED INT
                                          (US)
    Author (Inventor): RAO A GURURAJ
                                      (US); BEACH LARRY R (US)
    Priority (No, Kind, Date): US 3885 A 19930113; WO 94US382 W
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    Patent Assignee: PIONEER HI BRED INT
    Author (Inventor): RAO A GURURAJ (US); BEACH LARRY R (US)
    Priority (No, Kind, Date): US 3885 A 19930113; WO 94US382 W
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  Patent (No, Kind, Date): EP 745126 A1 19961204
   HIGH LYSINE DERIVATIVES OF ALPHA-HORDOTHIONIN (English; French; German)
    Patent Assignee: PIONEER HI BRED INT (US)
   Author (Inventor): RAO A GURURAJ (US); BEACH LARRY R
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  Patent (No, Kind, Date): EP 745126 Bl 20010912
    HIGH LYSINE DERIVATIVES OF ALPHA-HORDOTHIONIN (English; French; German)
    Patent Assignee: PIONEER HI BRED INT (US)
    Author (Inventor): RAO A GURURAJ (US); BEACH LARRY R (US)
    Priority (No, Kind, Date): US 3885 A
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UNITED STATES OF AMERICA (US)
  Patent (No, Kind, Date): US 5990389 A
                                        19991123
    High lysine derivatives of alpha -hordothionin (English)
    Patent Assignee: PIONEER HI BRED INT
                                          (US)
    Author (Inventor): RAO A GURURAJ (US); BEACH LARRY (US)
    Priority (No, Kind, Date): US 838763 A
                                            19970410; US 575654
      19951220; US 369975 B1 19950106; US 3885 B1 19930113
    Applic (No, Kind, Date): US 838763 A 19970410
    National Class: * 800301000; 800279000; 530300000; 530372000;
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    IPC: * A01H-005/00; C12N-015/29; C12N-015/82; A01G-013/00
    Language of Document: English
UNITED STATES OF AMERICA (US)
  Legal Status (No, Type, Date, Code, Text):
     US 5990389
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                                               APPLICATION DATA (PATENT)
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                                               REISSUE APPLICATION FILED
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WORLD INTELLECTUAL PROPERTY ORGANIZATION, PCT (WO)
  Patent (No, Kind, Date): WO 9416078 A1 19940721
    HIGH LYSINE DERIVATIVES OF ALPHA-HORDOTHIONIN (English)
    Patent Assignee: PIONEER HI BRED INT
                                          (US)
    Author (Inventor): RAO A GURURAJ; BEACH LARRY R
    Priority (No, Kind, Date): US 3885 A
                                         19930113
    Applic (No, Kind, Date): WO 94US382 A
                                          19940112
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    Filing Details: WO 130000 With international search report; Before
      expiration of time limit for amending the claims and to be
      republished in the event of the receipt of the amendments
    IPC: * C12N-015/29; C07K-013/00; C12N-005/10; A01H-005/00; A01N-065/00
      ; C12N-001/21
    CA Abstract No: * 121(25)297398A; 121(25)297398A
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Prepared by Toby Port 308-3534, Biotech Library

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Derwent WPI Acc No: * C 94-249225; C 94-249225
    Language of Document: English
  Patent (No, Kind, Date): WO 9416078 A2 19940721
    HIGH LYSINE DERIVATIVES OF ALPHA-HORDOTHIONIN DERIVES
      D'ALPHA-HORDOTHIONINE A HAUTE TENEUR EN LYSINE (English)
    Patent Assignee: PIONEER HI BRED INT
                                           (US)
    Author (Inventor): RAO A GURURAJ; BEACH LARRY R
    Priority (No, Kind, Date): US 3885 A
    Applic (No, Kind, Date): WO 94US382 A
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    Designated States: (National) AT; AU; BB; BG; BR; BY; CA; CH; CN; CZ;
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      CG; CI; CM; GA; GN; ML; MR; NE; SN; TD; TG
    Filing Details: WO 130000 With international search report; Before
      expiration of time limit for amending the claims and to be
      republished in the event of the receipt of the amendments
    IPC: * C12N-015/29; C07K-013/00; C12N-005/10; A01H-005/00; A01N-065/00
      ; C12N-001/21
    Language of Document: English
  Patent (No, Kind, Date): WO 9416078 A3 19940901
    HIGH LYSINE DERIVATIVES OF ALPHA-HORDOTHIONIN (English)
    Patent Assignee: PIONEER HI BRED INT
                                           (US)
    Author (Inventor): RAO A GURURAJ; BEACH LARRY R
    Priority (No, Kind, Date): US 3885 A
                                           19930113
    Applic (No, Kind, Date): WO 94US382 A 19940112
    IPC: * C12N-015/29; C07K-013/00; C12N-005/10; A01H-005/00; A01N-065/00
      ; C12N-001/21
    Language of Document: English
WORLD INTELLECTUAL PROPERTY ORGANIZATION, PCT (WO)
  Legal Status (No, Type, Date, Code, Text):
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                                                PRIORITY (PATENT)
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| | | SECTION I (CORRECTION OF ENTRY IN SECT. I) |
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| | | THE INTERNATIONAL SEARCH REPORT (SUBSEQUENT |
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| | | (EP: PCT ANM. ART. 158 (1)) |
| WO 9416078 | Р | 19941027 WO DFPE REQUEST FOR PRELIMINARY |
| | | EXAMINATION FILED PRIOR TO EXPIRATION OF 19TH |
| • | | MONTH FROM PRIORITY DATE |
| WO _. 9416078 | Р | |
| | | PHASE IN: |
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